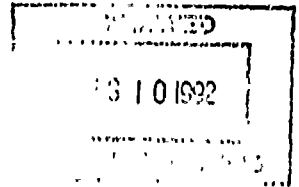


REMARKS	WELL LOG	ELECTRIC LOGS	FILE	X	WATER SANDS	LOCATION INSPECTED	SUB REPORT	add
DATE FILED 8-12-92								
LAND: FEE & PATENTED X			STATE LEASE NO		PUBLIC LEASE NO		INDIAN	
DRILLING APPROVED 9-9-92								
SPUDDED IN								
COMPLETED			WELL TO PRODUCE					
INITIAL PRODUCTION								
GRANTY API								
GRN								
PRODUCING ZONES								
TOTAL DEPTH								
WELL ELEVATION								
DATE ABANDONED 9-7-94								
FIELD WILDCAT								
UNIT								
CLAY								
CARBON								
JENSEN 12-9								
LOCATION 2024' FSL			FE FROM M. SURFACE		592' FWL		API NO. 43-007-30171	
NW SW			1 4 - 1 4 SEC		9			

WELL	AGE	SIZE	OPERATOR
12S	10E	9	PG & E RESOURCES CO.



August 6, 1992

Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Attn: Tammi Searing

Re: PG & E Resources Company  
Castlegate Prospect  
Application for Temporary Change  
of Water  
Carbon County, Utah

Dear Tammi,

Enclosed please find one copy of the Application for Temporary Change of Water for PG & E's Castlegate Prospect in Carbon County, Utah

As you know, several Applications for Permit to Drill have already been submitted and several additional applications will be forthcoming

In future applications I will reference the Change Application Number (192-91-12 (91 Area), rather than send additional copies of this application.

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC

Lisa L. Smith  
Consultant for  
PG & E Resources Company

Enc.

cc: PG & E Resources - Dallas, TX  
PG & E Resources - Vernal, UT

Permitco Incorporated  
A Petroleum Permitting Company

13555 Jackson Drive Denver, Colorado 80241 (303) 452-8888



STATE OF UTAH  
NATURAL RESOURCES  
WATER RIGHTS

Norman H. Rongertor, Governor  
Roy C. Hansen, Executive Director  
Harold L. Morgan, State Engineer

Seemingly from Area #4335 Carbon Avenue • P.O. Box 778 • Price, 18452 • 2710 • 801-637-1333

July 31, 1992

West Hazmat Oil Field Services Inc.  
Attn: Dale Price  
East Highway 40  
Roosevelt, Utah 84066

Re: Temporary Change Application #152-91-12  
Expiration Date: November 30, 1992

Dear Mr. Price:

The above referenced Temporary Change Application is hereby approved, and a copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

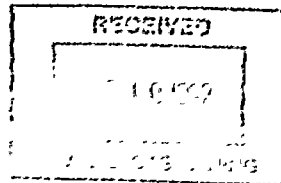
Sincerely,

*William H. Wernick*

*for* Mark P. Page  
Regional Engineer

cc: Bob Davis - Price River Commissioner

Enclosures  
RPP/mjk



# APPLICATION FOR TEMPORARY CHANGE OF WATER

JUL 10 1992

DIV. OIL, GAS, MINING

STATE OF UTAH

WATER RIGHTS

Rec. by \_\_\_\_\_

Fee Paid \$ \_\_\_\_\_

Receipt # \_\_\_\_\_

Mileage \_\_\_\_\_

Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

\*WATER RIGHT NO. 91 Area \_\_\_\_\_ \*APPLICATION NO. 1 92 91 12

Changes are proposed in (check those applicable)

☒ point of diversion ☒ place of use ☒ nature of use ☒ period of use.

## 1. OWNER INFORMATION

Name West Hazmat Oil Field Services Inc. \*Interest \_\_\_\_\_ %

Address: East Highway 40

City: Roosevelt State: Utah Zip Code: 84066

2 \*PRIORITY OF CHANGE: July 31, 1992 \*FILING DATE: July 31, 1992

Is this change amendatory? (Yes/No) No

3 RIGHT EVIDENCED BY: 91-366, Cert. #229, Horse Decree First Class

Prior Approved Temporary Change Applications for this right: 191-91-09; 192-91-03; 192-91-04;  
192-91-05; 192-91-09; 192-91-10.

HERETOFORE

4 QUANTITY OF WATER: 7.98 cfs and/or \_\_\_\_\_ ac ft

5 SOURCE: Price River

6 COUNTY: Carbon

7 POINT(S) OF DIVERSION: S. 550 ft. & E. 680 ft. from N. Cor. Sec. 1, T14S, R9E, S1B&M.

Description of Diverting Works: Concrete diversion dam, earthen ditches

8 POINT(S) OF REDIVERSION

The water has been redirected from \_\_\_\_\_ at a point \_\_\_\_\_

Description of Diverting Works \_\_\_\_\_

9 POINT(S) OF RETURN

The amount of water conserved is 7.98 cfs or \_\_\_\_\_ ac ft

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac ft

The water has been returned to the natural stream/source at a point(s) \_\_\_\_\_

\*These items are to be completed by the Division of Water Rights

Temporary Change

10. NATURE AND PERIOD OF USE  
Irrigation: From March 1 to November 30  
Stockwatering: From \_\_\_\_\_ to \_\_\_\_\_  
Domestic: From \_\_\_\_\_ to \_\_\_\_\_  
Municipal: From \_\_\_\_\_ to \_\_\_\_\_  
Mining: From \_\_\_\_\_ to \_\_\_\_\_  
Power: From \_\_\_\_\_ to \_\_\_\_\_  
Other: From \_\_\_\_\_ to \_\_\_\_\_

11. PURPOSE AND EXTENT OF USE

Irrigation: 12,576.07 acres Sole supply of 488.10 acres  
Stockwatering (number and kind): \_\_\_\_\_  
Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons  
Municipal (name): \_\_\_\_\_  
Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine.  
Ores mined: \_\_\_\_\_  
Power: Plant name \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
Other (describe): \_\_\_\_\_

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s) Carbon Canal Delivery System  
\_\_\_\_\_  
\_\_\_\_\_

13. STORAGE

Reservoir Name \_\_\_\_\_ Storage Period from \_\_\_\_\_ to \_\_\_\_\_  
Capacity: \_\_\_\_\_ ac ft Inundated Area: \_\_\_\_\_ acres  
Height of dam: \_\_\_\_\_ feet  
Legal description of inundated area by 40 tract(s) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

THE FOLLOWING CHANGES ARE PROPOSED

14. QUANTITY OF WATER \_\_\_\_\_ cfs and/or 13.0 ac ft  
15. SOURCE: 1) Willow Creek 2) Underground Exploratory Wells  
Balance of the water will be abandoned, \_\_\_\_\_ or will be used as heretofore X  
16. COUNTY Carbon  
17. POINT(S) OF DIVERSION See Attached Sheet

Description of Diverling Works 2) Existing 5 1/2" casing,  
1) Portable pump to tank truck 4425 to 4667 feet deep  
COMPLETION DESCRIPTION 10 miles NE of Helper Matts Summit Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point \_\_\_\_\_  
\_\_\_\_\_  
Description of Diverling Works \_\_\_\_\_

19. POINT(S) OF RETURN

The amount of water to be consumed is \_\_\_\_\_ cfs or 13.0 ac ft  
The amount of water to be returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac ft  
The water will be returned to the natural stream/source at a point(s) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## 20. NATURE AND PERIOD OF USE

Irrigation: From   /  /   to   /  /    
Stockwatering: From   /  /   to   /  /    
Domestic: From   /  /   to   /  /    
Municipal: From   /  /   to   /  /    
Mining: From   /  /   to   /  /    
Power: From   /  /   to   /  /    
Other: From   7  /  31  /  92   to   11  /  30  /  92  

## 21. PURPOSE AND EXTENT OF USE

Irrigation    at res. Sole supply of    acres  
Stockwatering (number and kind):     
Domestic    families and/or    Persons.  
Municipal (name)     
Mining    Mining District at the    Mine.  
Ores mined     
Power Plant name    Type    Capacity     
Other (describe) Exploration drilling, road construction, dust suppression

## 22. PLACE OF USE

Legal description of place of use by 40 acre tract(s) See Attached Sheet  
    
    
  

## 23. STORAGE

Reservoir Name    Storage Period from    to     
Capacity    ac ft Inundated Area    acres  
Height of dam    feet  
Legal description of inundated area by 40 tract(s)     
    
  

## 24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose (Use additional pages of same size if necessary).  
This Temporary Change Application is being filed to replace t91-91-09 & t92-91-10 to correct the points of diversion and place of use. To date approximately 0.77 AF has been utilized under t91-91-09

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s)

Paul Price  
Signature of Applicant(s)

West Hazmat Oil Field Services Inc.  
Temporary Change Application  
#192-91-12 (91 Area)  
July 31, 1992

#17 Points of Diversion:

Willow Creek:

N. 320 ft. & W. 290 ft. from SE Cor. Sec. 3, T12S, R20E, SLB&M.

Shimmin Trust Wells:

Shimmin Trust #1: N. 793 ft. & W. 780 ft. from SE Cor. Sec. 11;  
Shimmin Trust #2: S. 1980 ft. & W. 800 ft. from NE Cor. Sec. 14;  
Shimmin Trust #3: S. 1980 ft. & E. 1780 ft. from NW Cor. Sec. 14;  
Shimmin Trust #4: N. 540 ft. & E. 1900 ft. from SW Cor. Sec. 11,  
Shimmin Trust #5: S. 660 ft. & W. 2340 ft. from NE Cor. Sec. 14;  
all T12S, R10E, SLB&M

#22 Place of Use:

1210-0806, S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4)  
#7-9 Federal: S. 2109 ft. & W. 2038 ft. from NE Cor. Sec. 9 (SW4NE4)  
#4-15 Federal: S. 660 ft. & E. 450 ft. from NW Cor. Sec. 15 (NW4NW4)  
#4-13 Federal: S. 1174 ft. & E. 1168 ft. from NW Cor. Sec. 13 (NW4NW4)  
#9-10 Jensen: N. 2500 ft. & W. 1020 ft. from SE Cor. Sec. 10 (NE4SE4)  
#2-16 State: S. 780 ft. & W. 1971 ft. from NE Cor. Sec. 16 (NW4NE4)  
#9-16 State: N. 1993 ft. & W. 702 ft. from SE Cor. Sec. 16 (NE4SE4)  
#11-10 Jensen: N. 1650 ft. & E. 1650 ft. from SW Cor. Sec. 10 (NE4SW4)  
#5-10 Jensen: S. 1680 ft. & E. 660 ft. from NW Cor. Sec. 10 (SW4NW4)  
#16-10 Jensen: N. 330 ft. & W. 330 ft. from SE Cor. Sec. 10 (SE4SE4)  
#7-15 Jensen: S. 1650 ft. & W. 1650 ft. from NE Cor. Sec. 15 (SW4NE4)  
#11-11 Shimmin Trust: N. 2350 ft. & E. 1500 ft. from SW Cor. Sec. 11 (NE4SW4)  
#10-11 Shimmin Trust: N. 2300 ft. & W. 1850 ft. from SE Cor. Sec. 11 (NW4SE4)  
#12-12 Shimmin Trust: N. 2310 ft. & E. 990 ft. from SW Cor. Sec. 12 (NW4SW4)  
#14-12 Shimmin Trust: N. 660 ft. & E. 1980 ft. from SW Cor. Sec. 12 (SE4SW4)  
#11-15 Jensen: N. 1850 ft. & E. 1650 ft. from SW Cor. Sec. 15 (NE4SW4)  
#16-9 Jensen: N. 1150 ft. & W. 1150 ft. from SE Cor. Sec. 9 (SE4SE4)  
#16-15 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 15 (SE4SE4)  
#14-14 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 14 (SE4SW4)  
#14-16 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 14 (SE4SE4)  
#14-13 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 13 (SE4SW4)  
All T12S, R10E, SLB&M

Alternate Wells:

#12-9 Jensen: N. 2054 ft. & E. 592 ft. from SW Cor. Sec. 9 (NW4SW4)  
#14-9 Jensen: N. 675 ft. & E. 2170 ft. from SW Cor. Sec. 9 (SE4SW4)  
#4-16 State: S. 922 ft. & E. 750 ft. from NW Cor. Sec. 16 (NW4NW4)  
#11-16 State: N. 1980 ft. & E. 1980 ft. from SW Cor. Sec. 16 (NE4SW4)  
All T12S, R10E, SLB&M


STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t92-91-12

1. July 31, 1992      Change Application received by BW.
- 2 July 31, 1992      Application designated for APPROVAL by HP.
3. Comments:

## Conditions:

This application is hereby APPROVED, dated July 31, 1992, subject to prior rights and this application will expire on November 30, 1992

  
Mark Page, Area Engineer  
for  
Robert L. Morgan, State Engineer



August 10, 1992

Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203  
Attn: Tammi Searing

Re: PG & E Resources Company  
#12-9 Jensen  
2024' FSL and 592' FWL  
NW SW Sec. 9, T12S - R10E  
Carbon County, Utah

Dear Tammi,

Enclosed please find three copies of the A.P.D. on the above mentioned well along with three copies of the drilling program. A temporary change application is on file with the Division of Water Rights, Price, Utah for use of the proposed water sources.

Please forward approved copies of the A.P.D. to Jim LaFevers at the following address:

PG & E Resources Company  
5950 Berkshire Lane, Suite 600  
Dallas, TX 75225

If you should need additional information, please feel free to contact me.

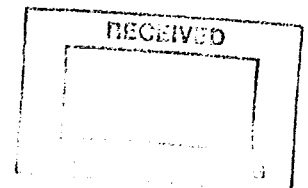
Sincerely,

PERMITCO INC.

Lisa L. Smith  
Consultant for:  
PG & E Resources Company

Enc.

cc: PG & E - Dallas, TX  
PG & E - Vernal, UT



Permitco Incorporated  
A Petroleum Permitting Company

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

(Other Instructions on  
reverse side)

1. Lease Designation and Serial No.		Fee	
2. If Indian, Allottee or Tribe Name		N/A	
3. Unit Agreement Name		N/A	
4. Firm or Lease Name		Jensen	
5. Well No		#12-9	
6. Field and Pool or Wildcat			
7. Sec. T. R. M. or Blk. and Survey or Area		Sec. 9, T12S - R10E	
8. Distance in miles and direction from nearest town or post office		15 miles north of Price, Utah	
9. Distance from proposed location of nearest property or well (if 1/4 sec. or nearest 1/4 sec. line if any)		592'	
10. Distance from proposed location to nearest well drilling completed or applied for on this lease ft		2200'	
11. Elevation (show whether DT, RT, GR, etc.)		7399' GR	
12. County or Parish		Carbon	
13. State		Utah	
14. No. of acres in lease		520	
15. No. of acres assigned to this well		160	
16. Rotary or cable tools		Rotary	
17. Approx. date work will start		Immediately upon approval of this application	
18. PROPOSED DRILLING AND CEMENTING PROGRAM			
Size of Hole	Size of Casing	Weight per Foot	Setting Depth
12-1/4"	8-5/8"	24#	5'
7-7/8"	5-1/2"	17#	5005'
Quantity of Cement		350 sx or suffic to circ to surf.	
		520 sx, stage tool at 3200'	

PG & E Resources Company proposes to drill a well to 5005' to test the Blackhawk and Star Point Coals for coalbed methane. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per State of Utah requirements.

See Drilling Program attached

Bond coverage for this well is provided under Bond No. 8063-38-07 and 8057-26-00.

ILLINOIS REVIEW

Engr

Geol

Surface

8/10/92  
8/17/92

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposed is a deepen or plug back, give data on present productive zone and proposed new productive zone. If proposed is to drill or deepen direct or indirect permit, give data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

21. Consultant for PG & E Resources Company Date 8/10/92

(This space for Federal or State office use)

Permit No.

13 007-30171

Actual Date

Approved by

Conditions of approval, if any

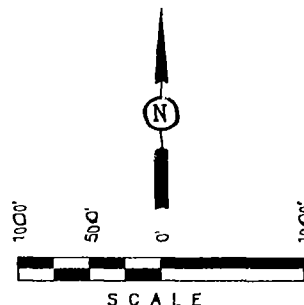
**T12S, R10E, S.L.B.&M.**

**PG&E RESOURCES COMPANY**

Well location, #12-9 JENSEN, located as shown in the NW 1/4 SW 1/4 of Section 9, T12S, R10E, S.L.B.&M. Carbon County, Utah.

**BASIS OF ELEVATION**

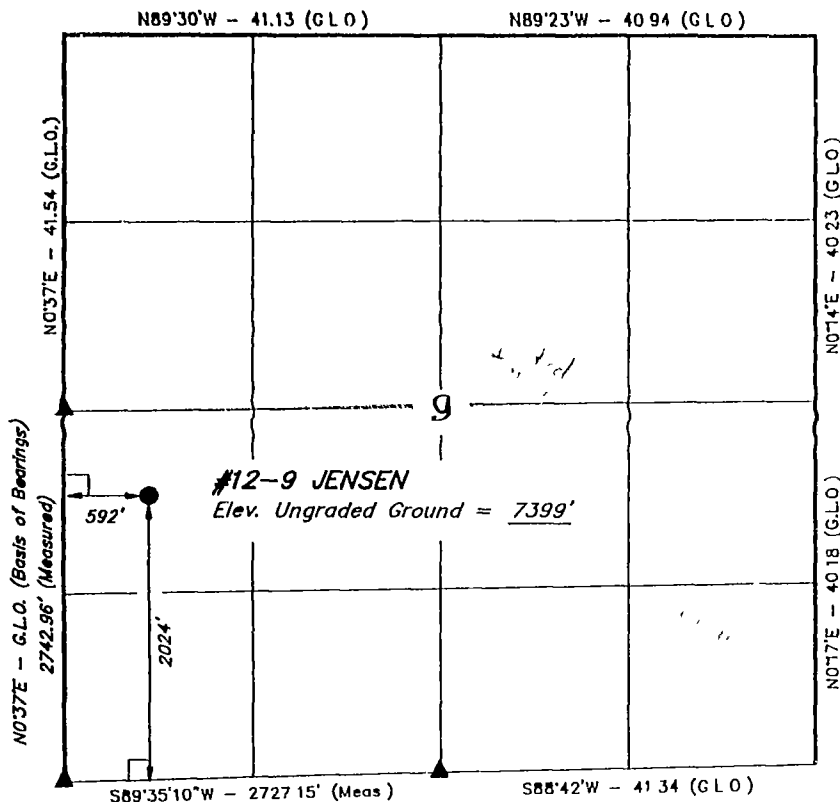
SPOT ELEVATION AT A RIDGE TOP LOCATED IN THE N 1/2 OF SECTION 16, T12S, R10E, S.L.B.&M. TAKEN FROM THE MATTS SUMMIT QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY SAID ELEVATION IS MARKED AS BEING 7643 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. King*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH



**LEGEND.**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD
- ▲ = SECTION CORNERS LOCATED (1923 Brass Caps)

**UINTAH ENGINEERING & LAND SURVEYING**

85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED 7-13-92	DATE DRAWN 7-14-92
PARTY GS RA JLG	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE PG&E RESOURCES	

**CONFIDENTIAL - TIGHT HOLE**

**#12.9 JESSEN  
2024' FSL and 592' FWL  
NW SW Sec. 9, T12S - R10E  
Carbon County, Utah**

**Prepared For:**

**PG & E RESOURCES COMPANY**

**By:**

**PERMITCO INC.  
13585 Jackson Drive  
Denver, Colorado 80241  
303/452-8888**

**Copies Sent To**

- 3 - Division of Oil, Gas & Mining**
- 1 - PG & E Resources Co. - Vernal, Utah**
- 3 - PG & E Resources Co. - Dallas, TX**



1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>
Flagstaff	Surface
Price River	2979'
Castlegate	3433'
Blackhawk	3787'
Aberdeen (S.P. II)	4705'
T.O.	5005'

2. Casing Program

The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>
Surface	0-500'	12-1/4"	8-5/8"	24#	K-55
Produc.	0-5005'	7-7/8"	5-1/2"	17#	N-80

Casing design subject to revision based on geologic conditions encountered.

3. Cement Program

The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-500'	Cement to surface with 350 sx Premium Cement + 2% CaCl <sub>2</sub> + 0.25 #/sk Flocele (or equivalent). Centralizers will be run on bottom 3 joints plus every 4th joint to surface.

Production

Type and Amount

Two stage cement to surface w/stage tool at 3200'. First Stage: 320 sx 50/50 Pozmix + 2% Gel + .25% Floccle. Second Stage: 200 sx Silica Lite + 4% Gel + 4% CaCl<sub>2</sub>.

4. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>FL</u>	<u>PH</u>
0-500'	Air/Spud Mud	8.4-9.0	32-50	N/C	8.0-9.0
500-3500'	FW w/Gel Sweeps	8.4-8.8	28-32	N/C	8.0-9.0
3500-5005'	FW-LSD	8.6-9.0	34-45	10-15	8.0-9.0

5. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- No drill stem tests are planned.
- The logging program will consist of a Cased Hole Dual Spaced Neutron w/Gamma Ray, 2" & 5" from T.D. to Base of Surface Casing and an Acoustic CBL/CCL, - 5" from T. D. to Base of Surface casing.
- No cores are anticipated.

6. Spud Date/Drilling Time

- Drilling is planned to commence upon approval of this application.

than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

- a. The size and rating of the BOP stack is shown on the attached diagram.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.

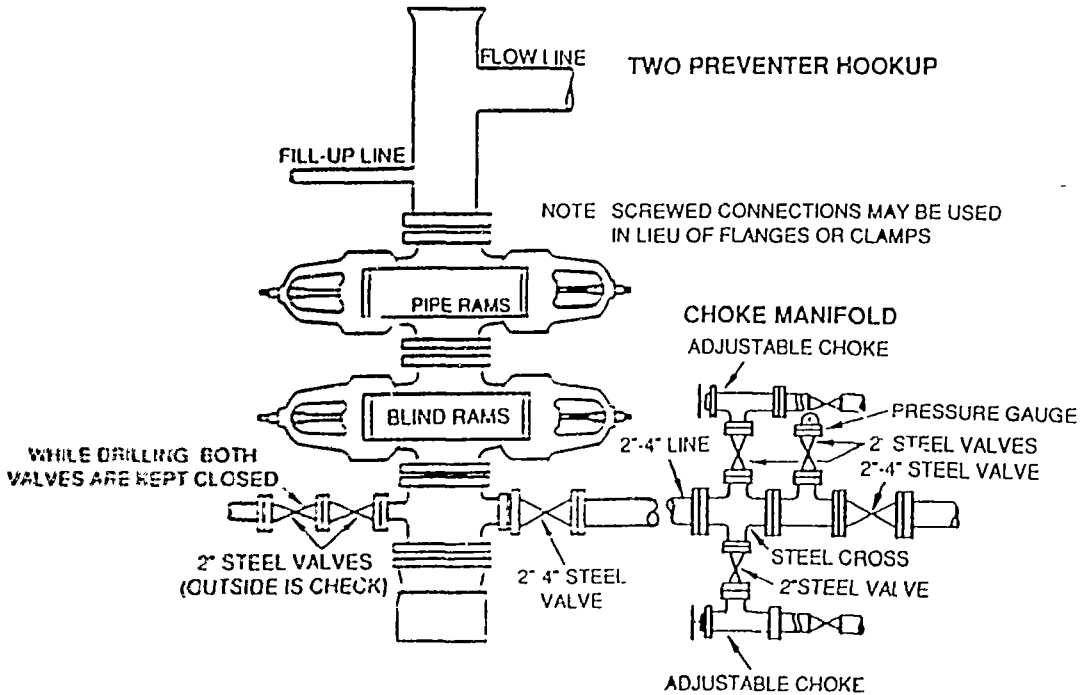
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

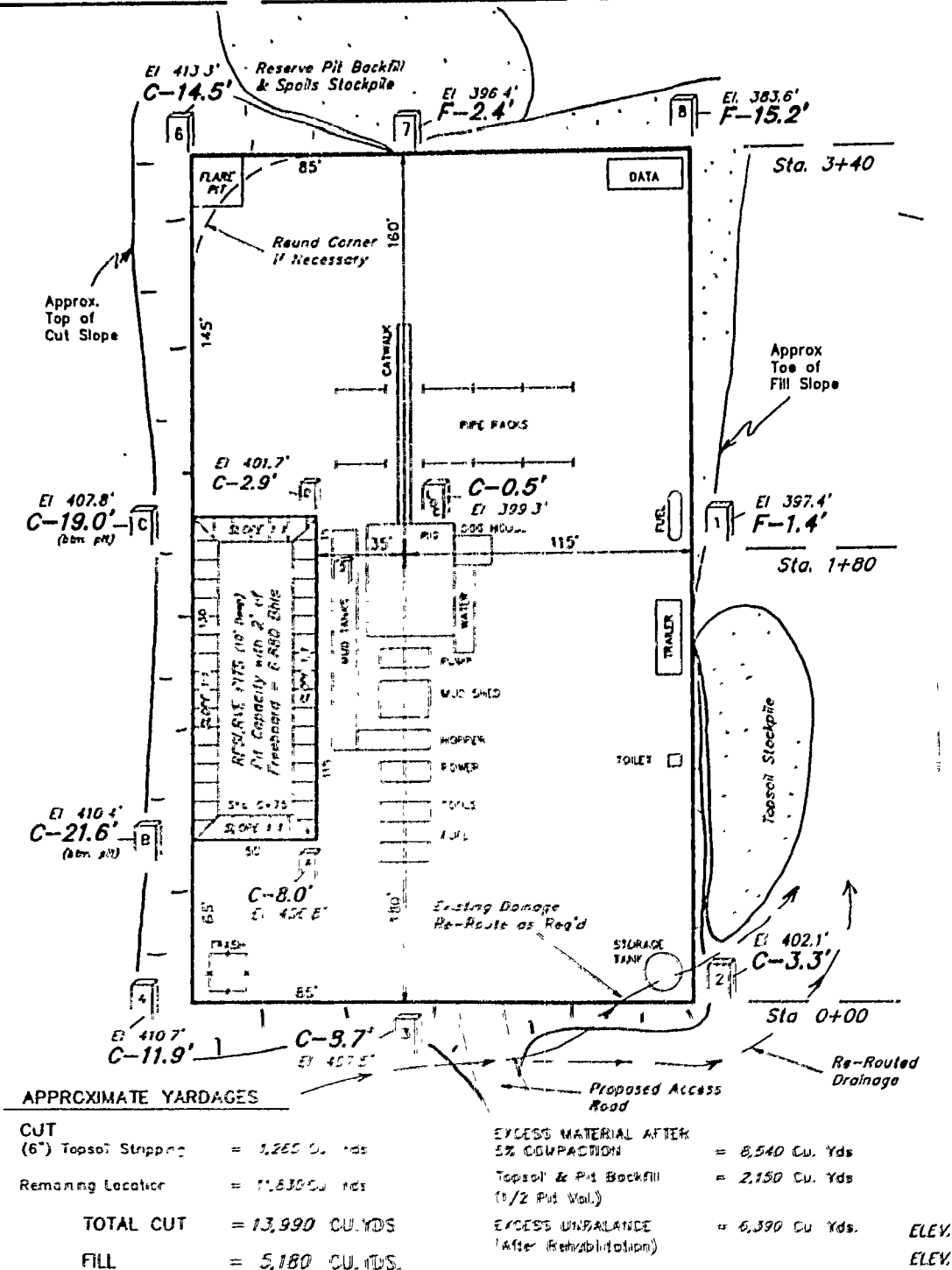
9. Anticipated Pressures

- a. The expected maximum bottom hole pressure is 2172 psi (.434 psi/ft). The maximum surface pressure is 1071 psi (based on partially evacuated hole at 0.22 psi/ft.)
- b. No hydrogen sulfide gas or abnormal pressures are anticipated.

# PG&E RESOURCES COMPANY

## TYPICAL 2,000 PSI BLOWOUT PREVENTER SCHEMATIC





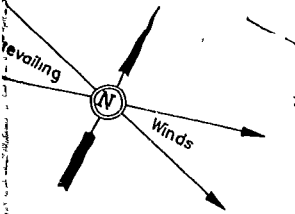
# P.G.&E. RESOURCES CO.

## LOCATION LAYOUT FOR

#12-9 JENSEN

SECTION 9, T12S, R10E, S1B 4M.

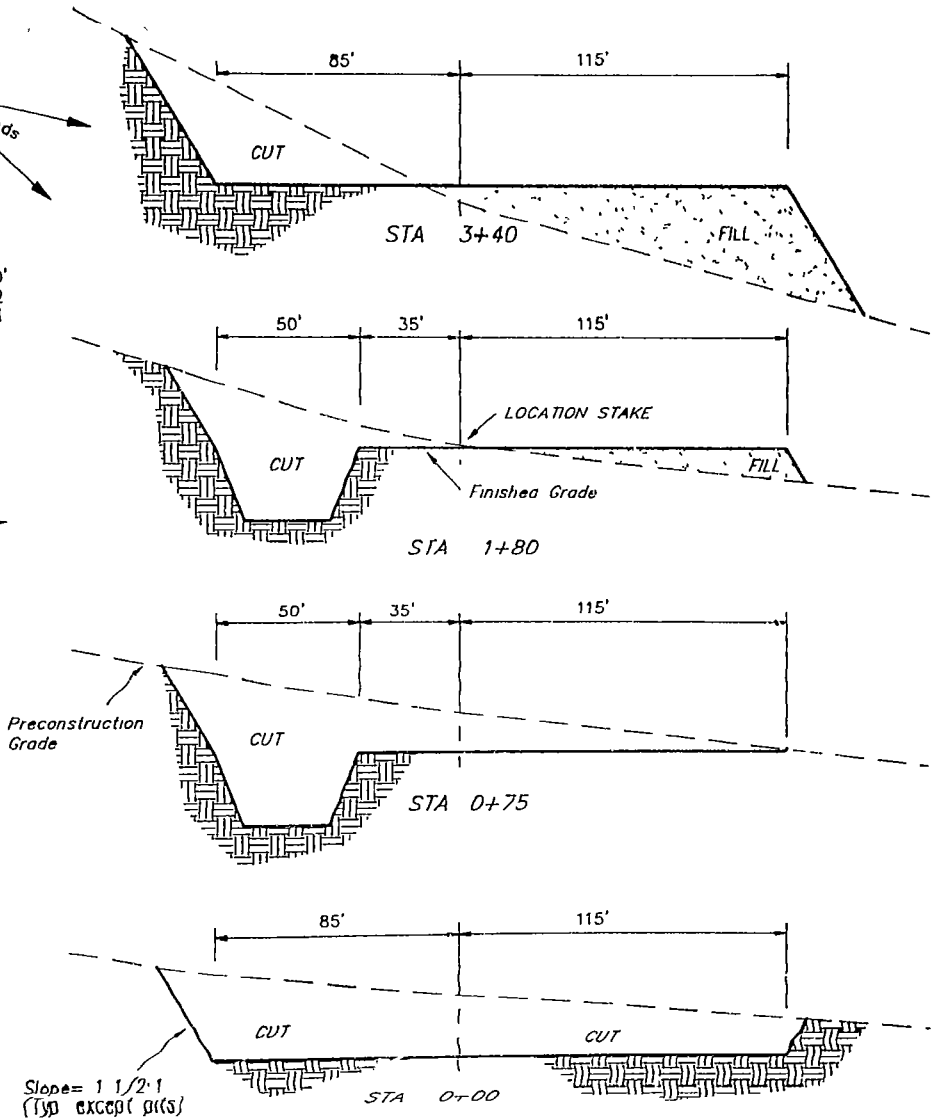
2024' FSL 592' FWL



SCALE 1" = 50'  
DATE: 7-16-92  
Drawn By: R.E.H.

X-Section Scale  
1" = 50'

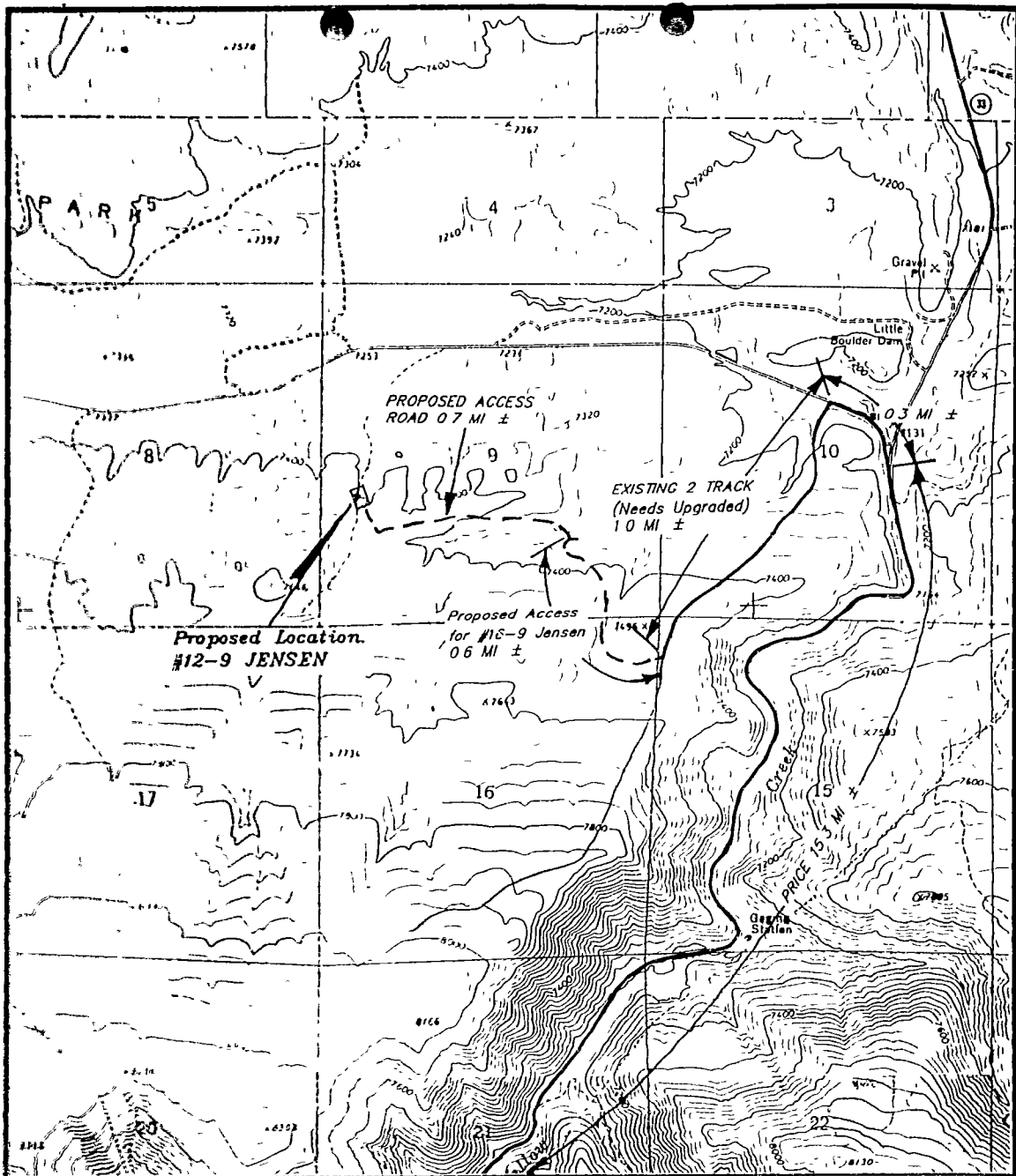
TYP. LOCATION LAYOUT  
TYP. CROSS SECTIONS



UNGRADED GROUND AT LOC STAKE = 7399.3'  
GRADED GROUND AT LOC STAKE = 7398.8'

UINTAH ENGINEERING & LAND SURVEYING  
25 So 200 East Vernal Utah





TOPOGRAPHIC  
MAP "B"

SCALE: 1" = 2000'

DATE 7-6-92 JLS



PG&E RESOURCES COMPANY

#12-9 JENSEN

SECTION 9, T12S, R10E, S1B & M

2024' FSL 592' FWL

## DRILLING LOCATION ASSESSMENT

### **State of Utah Division of Oil, Gas and Mining**

OPERATOR: PG&E RESOURCES CO. WELL NAME: #12-09 JENSEN  
SECTION: 9 TWP: 12S RNG: 10E LOC: 2024 FSL 592 FIL  
QTR/QTR NW/SW COUNTY: CARBON FIELD: COALBED METHANE  
SURFACE OWNER: JERRY JENSEN  
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL  
GEOLOGIST: BRAD HILL DATE AND TIME: 7/20/92 11:00

PARTICIPANTS: Lisa Smith-Permitco, Jerry Jensen-Landowner, Robert Kay-Uintah Engineering

REGIONAL SETTING/TOPOGRAPHY: The proposed location is on the western edge of the Book Cliffs physiographic province. It is located on the Flagstaff dip slope in a saddle between two hills. A drainage develops downhill from the location but doesn't cross the location.

#### LAND USE:

CURRENT SURFACE USE: Domestic grazing and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: The proposed pad is rectangular in shape with approximate dimensions of 340' X 200' including a 130' X 50' reserve pit. Approximately .7 miles of new road will be constructed for access.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage, Sroomweed, Snowberry, Bunch grass/Cows, Deer, Elk, Rabbits, Rodents, Birds

#### ENVIRONMENTAL PARAMETERS

##### SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with occasional limestone fragments

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium and Flagstaff Limestone

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

## SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Blackhawk-3787', Aberdeen-4705'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per land owner instructions.

### RESERVE PIT

CHARACTERISTICS: A rectangular reserve pit will be constructed with approximate dimensions of 130'X 50'X 10'.

LINING: The reserve pit is to be evaluated after construction to determine if a synthetic liner is needed.

MUD PROGRAM: 0-500'-air/spud mud; 500'-3500'-FW v/Gel Sweeps; 3500'-5005'-FW-LSND

DRILLING WATER SUPPLY: Drilling water will be from the existing Shimmins Trust wells.

### STIPULATIONS FOR APD APPROVAL

The reserve pit is to be inspected after construction to determine if a synthetic liner is required.

The pad is to be bermed on the downhill side to prevent run off from the location.

### ATTACHMENTS

Photographs will be placed on file.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 08/12/92

OPERATOR: PG & E RESOURCES COMPANY  
WELL NAME: JENSEN 12-9

OPERATOR ACCT NO: N-0595

API NO. ASSIGNED: 13 - 007 - 30171

CONFIDENTIAL

LEASE TYPE: FED LEASE NO: 44  
LOCATION: NSW 09 - T12S - R10E CARBON COUNTY  
FIELD: WILDCAT FIELD CODE: 721

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond

(Number 187415 @ 1.000)

✓ Potash (Y/N)

✓ Oil shale (Y/N)

✓ Water permit

(Number 150 91 12 000)

✓ RDCC Review (Y/N)

(Date: 8-13-92)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_

✓ R649-3-2. General.

\_\_\_ R649-3-3. Exception.

\_\_\_ Drilling Unit.

\_\_\_ Board Cause no: \_\_\_

\_\_\_ Date: \_\_\_

COMMENTS:

1. The reserve pit should be inspected after construction to determine if a synthetic liner is required.  
2. The downhill side of the location should be bermed to prevent runoff from the location.

STIPULATIONS:

1. The stip
2. The reserve pit should be inspected after construction to determine if a synthetic liner is required.
3. The downhill side of the location should be bermed to prevent runoff from the location.

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENT

WILLIAM D HOWELL  
Executive Director

P O Drawer 1106 • Price, Utah 84501 • Telephone 637 5444

## AREAWIDE CLEARINGHOUSE A-95 REVIEW

14 01 07

NOI\_\_\_ Preapp\_\_\_ App\_\_\_ State Plan\_\_\_ State ActionX Subdivision\_\_\_ (ASP # 8-819-15,16,18,19,20,21,22,23)

Other (indicate) \_\_\_\_\_ SAI Number UT 9-37-515-710-380

Applicant (Address, Phone Number)

Federal Funds

Requested \_\_\_\_\_

Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Ste 350  
Salt Lake City, Utah 84180-1203

Title

APPLICATION FOR PERMIT TO DRILL

RECEIVED

SEP 02 1992

DIVISION OF  
OIL, GAS & MINING

- ☒ No comment  
☐ See comments below  
☐ No action taken because of insufficient information  
☐ Please send your formal application to us for review Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments.

Marjorie Ann Morgan  
Authorizing Official

8-31-92  
Date



Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne H. Nielson, Ph.D.

Division Director II

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Trade Center, Suite 350  
Salt Lake City, Utah 84103 1203  
801 538 5340

September 9, 1992

PG & E Resources Company  
5950 Berkshire Lane #600  
Dallas, Texas 75225

Gentlemen:

Re: Jensen #12-9 Well, 2024 feet from the south line, 592 feet from the west line,  
NW 1/4 SW 1/4, Section 9, Township 12 South, Range 10 East, Carbon County,  
Utah

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. PG & E Resources Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the division is notified by letter of a new bonded principal.
2. The reserve pit should be inspected after construction to determine if a synthetic liner is required.
3. The downhill side of the location should be bermed to prevent runoff from the location.
4. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
5. Notification within 24 hours after drilling operations commence.

Page 2  
PG & E Resources Company  
Jensen #12-9 Well  
September 9, 1992

6. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change
7. Submittal of the Report of Water Encountered During Drilling, Form 7
8. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068
9. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-007-30171.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc Bureau of Land Management  
J.L. Thompson  
WOH

*Don - full*

FYI  
- FRM  
- TAS  
- LWP

V. PRIVATE ENTITIES

16. UT920901-010

Hercules Aerospace Company: Open Burring of Titan IV Solid Rocket Motor - Utah Test And Training Range - Environmental Assessment. This is not the complete document: if additional information is needed, please contact OPB. Please note! Due to the short turnaround please have comments to OPB no later than 9-18-92.

VI. LOCAL GOVERNMENT

17. UT920826-010

Wasatch Front Regional Council/Salt Lake County: 5600 West Draft Environmental Impact Statement: - Proposed improvements to a 12-mile section of 5600 West. Comments due 9-15-92.

VII. SHORT TURNAROUND

**\*Please Note! Due to the short turnaround please comment directly to the Agency with a copy to OPB.**

A. State

18. UT920828-030

*Frontier Exploration*

Division of Oil, Gas & Mining/Tooele County: Application for Permit to Drill - Proposal to drill a wildcat well, the Olegg 1-1 well, on a private lease (Sec. 1, T3S, R5W). Comments due 9-11-92.

19. UT920828-020

*OCIE*

Division of Oil, Gas & Mining/Carbon County: Application for Permit to Drill - Proposal to drill a wildcat well, the Federal No. 16-15 well, on federal lease UTU-65949 (Sec. 15, T12S, R10E). Comments due 9-11-92.

20. UT920818-010

PC & E

Division of Oil, Gas & Mining/Carbon County. Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin No. 10-11 well, on a private lease (Sec. 11, T12S, R10E) Comments due 9-8-92

21. UT920818-020

PG & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin No. 12-12 well, on a private lease (Sec 12, T12S, R10E) Comments due 9-8-92

22. UT920818-030

PG & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Shimmin No. 11-11 well, on a private lease (Sec 11, T12S, R10E) Comments due 9-8-92

23. UT920818-040

PC & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Jensen No. 12-9 well, on a private lease (Sec 9, T12S, R10E). Comments due 9-8-92 13 007-30111

24. UT920818-050

PG & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Jensen No. 14-9 well, on a private lease (Sec 19, T12S, R10E) Comments due 9-8-92

25. UT920818-060

PC & E

Division of Oil, Gas & Mining/Carbon County Application for Permit to Drill - Proposal to drill a wildcat well, the Jensen No. 16-9 well, on a private lease (Sec 9, T12S, R10E) Comments due 9-8-92



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center Suite 350  
Salt Lake City Utah 84103 1/203  
801 531 5340  
801 359 3940 (Fax)  
801 531 5319 (TDD)

February 14, 1994

PG & E Resources Company  
5950 Berkshire Lane, #600  
Dallas, Texas 75225

Re: Application for Permit to Drill  
Well No Jensen 12-9  
NWSW, Sec 9, T 12S, R 10E  
Carbon County, Utah  
API No 43-007-30171

Dear Sirs.

Your referenced application submitted for approval was approved January 31, 1990. In accordance with R 649-3-4-4, the Division rescinds its approval of the referenced application.

In order to drill this well in the future, a new application will have to be submitted.

Yours truly,

Frank Matthews  
Petroleum Engineer

cc R J Firth  
State Lands and Forestry  
Well file

# STATE ACTIONS

Mail to,  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

1.	ADMINISTERING STATE AGENCY OIL, GAS AND MINING 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203	2	STATE APPLICATION IDENTIFIER NUMBER. (assigned by State Clearinghouse)
		3	APPROXIMATE DATE PROJECT WILL START: Upon approval
4.	AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS (to be sent out by agency in block 1) Southeastern Utah Association of Governments		
5	TYPE OF ACTION <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Permit <input type="checkbox"/> License <input type="checkbox"/> Land Acquisition <input type="checkbox"/> Land Sale <input type="checkbox"/> Land Exchange <input type="checkbox"/> Other _____		
6	TITLE OF PROPOSED ACTION Application for Permit to Drill		
7	DESCRIPTION: PG & E Resources Company proposes to drill a wildcat well, the Jensen #12 9 well on a private lease in Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The DOGM is the primary administrative agency in this case and must issue approval to drill before operations can commence.		
8	LAND AFFECTED (site location map required) (indicate county) NW/4, SW/4, Section 9, Township 12 South, Range 10 East, Carbon County, Utah		
9	HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED? Unknown		
10	POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR No significant impacts are likely to occur		
11	NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE		
12.	FOR FURTHER INFORMATION CONTACT  Frank R. Matthews PHONE 538-5340	13	SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL  DATE 8-14-92

*FR Matthews*  
Petroleum Engineer